BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material Code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**5**	**200005**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**5**	**200006**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**58**	**CDS materials for General works**
4	Supply & Providing of 45KN Composite polymer insulators.	No	**45**	**283320**
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**184**	**283008**
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**38**	**CDS materials for General works**
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.436**	**284108**
8	Supply & Providing of Spiral Earth Electrode	No	**68**	**281683**
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**3**	**CDS 46**
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**11**	**304212**
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**3**	**280149**
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**3**	**280013**
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**3**	**302011**
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**2**	**278916**
15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**23**	**613050**
16	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**72**	**278911**
17	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**2**	**CDS materials for General works**
18	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**2**	**321438**
19	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**24**	**281674+600095+607054, CDS 60**
20	Supply & providing of GI wire 8SWG	kg	**45**	**281008**
2	Supply & providing of Guy wire 7/10SWG	kg	**70**	**281110**

1				
22	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**8**	**303202, CDS 60**
23	Supply & providing of LT Protection kit	No	**8**	**301107**
24	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**0**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**90**	**289031**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**8**	**288531**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**8**	**285508, CDS 60**
	iv) Spacer for DTC Wiring	No	**16**	**284503**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**4**	**280800+280511, CDS 60**
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**0**	**CDS 39**
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**8**	**302122**
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**17**	**821900**
27	Supply & Erection of 9M PSCC pole WL 300Kg	No	**6**	**200005**
28	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**6**	**280119, CDS materials for General works**
29	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**6**	**321437**
30	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**5**	
a	Aluminium lead wire 50 sqmm	Mtr	**125**	**289031**
b	Heavy duty long barrel copper lugs- 50 sqmm	No	**26**	**288531**
c	P.G Clamps - Rabbit to 50 sq.mm	No	**23**	**285508, CDS 63**
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**22**	**280800+280511, CDS 63**
e	Spacers for DTC wiring	No	**16**	**284503**
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**1**	**CDS 39**
31	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**7**	**200004**
32	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**7**	**280014, CDS materials for General works**
33	1.1 kV Pin Insulator with GI Pin	No	**28**	**283053, CDS 5**
34	No. 8 Strain Insulator	No	**8**	**283158**
35	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**3**	**CDS materials for General works**
36	Guy concreting with Boulders, Mud and Sand	No	**3**	**0**

PART-II ERRECTION PORTION

SL No	Particulars	Unit	Total Qty
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**5**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**5**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**58**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**38**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.436**
6	Supply & Providing of Spiral Earth Electrode	No	**68**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**3**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**11**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**3**
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**3**
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**3**
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**2**
13	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**23**
14	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**72**
15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**2**
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**2**
17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**24**
18	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**8**
19	Supply & providing of LT Protection kit	No	**8**
20	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**0**
	i) Al Lead Wire - 95 Sqmm	Mtr	**90**

	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**8**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**8**
	iv) Spacer for DTC Wiring	No	**16**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**4**
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**0**
21	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**8**
22	Supply & Erection of 9M PSCC pole WL 300Kg	No	**6**
23	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**6**
24	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**6**
25	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**5**
a	Aluminium lead wire 50 sqmm	Mtr	**125**
b	Heavy duty long barrel copper lugs- 50 sqmm	No	**26**
c	P.G Clamps - Rabbit to 50 sq.mm	No	**23**
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**22**
e	Spacers for DTC wiring	No	**16**
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**1**
26	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**7**
27	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**7**
28	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**3**
29	Guy concreting with Boulders, Mud and Sand	No	**3**